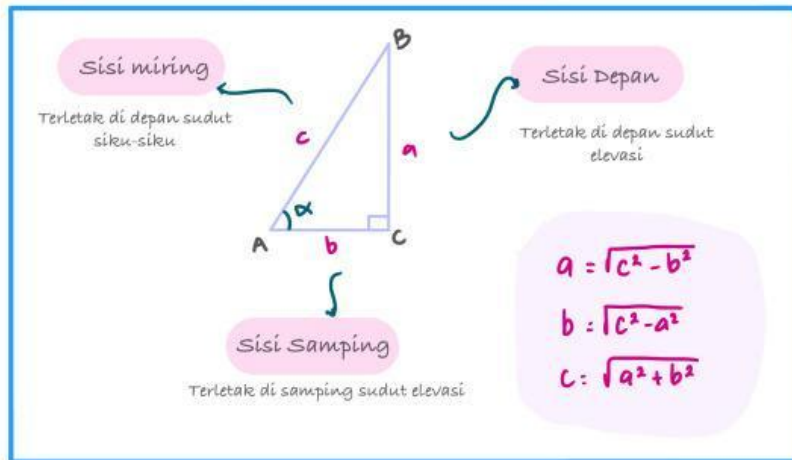
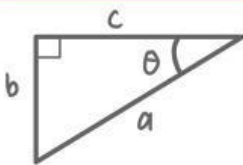


Trigonometri

Teorema Pythagoras



Quiz 1

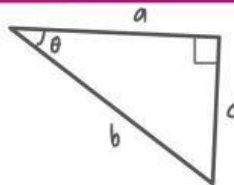


Sisi depan =

Sisi samping =

Sisi miring =

Quiz 2

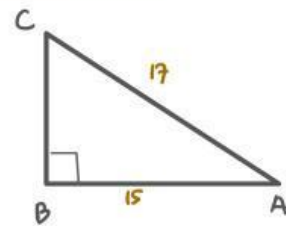


a = Sisi...

b = Sisi...

c = Sisi...

Quiz 3



Panjang BC = ...

Ukuran Sudut

Ukuran Sudut $\begin{cases} \text{Derajat (}^\circ\text{)} \\ \text{Radian (}\pi \text{ rad)} \end{cases}$

$$\pi \text{ Radian} = 180^\circ$$

$$1^\circ = \frac{\pi}{180}$$

Quiz 4

1) $2\pi \text{ rad} = \dots^\circ$

2) $\frac{3}{4}\pi \text{ rad} = \dots^\circ$

3) $90^\circ = \dots\pi$

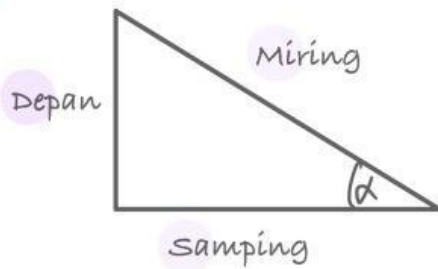
4) $540^\circ = \dots\pi$

Trigonometri

Perbandingan Trigonometri pada Segitiga Siku-Siku

Istilah Penamaan Trigonometri

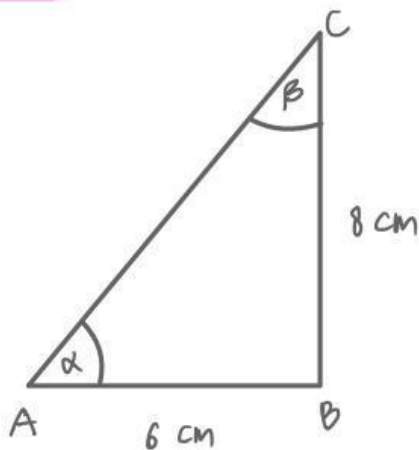
Sin = sinus
Cos = cosinus
Tan = tangen
Csc = kosekan
Sec = Sekan
Cot = kotangen



$$\begin{aligned}\sin \alpha &= \frac{\text{De}}{\text{Mi}} & \csc \alpha &= \frac{\text{Mi}}{\text{De}} \\ \cos \alpha &= \frac{\text{Sa}}{\text{Mi}} & \sec \alpha &= \frac{\text{Mi}}{\text{Sa}} \\ \tan \alpha &= \frac{\text{De}}{\text{Sa}} & \cot \alpha &= \frac{\text{Sa}}{\text{De}}\end{aligned}$$

Sin de mi
Cos sa mi
tan de sa

Quiz 4



Panjang sisi AC :

$$\begin{aligned}AC &= \sqrt{AB^2 + BC^2} \\ &= \sqrt{6^2 + \dots^2} \\ &= \sqrt{36 + \dots} \\ &= \sqrt{\dots} \\ &= \dots \text{ cm}\end{aligned}$$

$$\sin \alpha = \frac{\text{De}}{\text{Mi}} = \frac{BC}{AC} = \frac{8}{\dots} = \frac{4}{\dots}$$

$$\cos \alpha = \frac{\text{Sa}}{\text{Mi}} = \frac{AB}{AC} = \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$\tan \alpha = \frac{\text{De}}{\text{Sa}} = \frac{BC}{AB} = \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$\sin \beta = \frac{\text{De}}{\text{Mi}} = \frac{\dots}{AC} = \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$\cos \beta = \frac{\text{Sa}}{\text{Mi}} = \frac{BC}{\dots} = \frac{\dots}{\dots} = \frac{\dots}{\dots}$$

$$\tan \beta = \frac{\text{De}}{\text{Sa}} = \frac{\dots}{\dots} = \frac{\dots}{\dots} = \frac{\dots}{\dots}$$